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**From:** Warren, Victoria <VWarren@republicservices.com>  
**Sent:** Tuesday, March 12, 2013 11:03 AM  
**To:** Muenks, Shawn  
**Cc:** Gravatt, Dan; Drake, Tiffany  
**Subject:** RE: West Lake Landfill radiological placards

Shawn,  
Thanks for the clarification. I will discuss this with Craig Almanza and his team and we will get back with you.  
Regards,  
vw

Victoria Warren | Director, Hydrogeology & Superfund | Republic Services, Inc.  
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Republic Services asks you to consider the environment before printing this e-mail.

-----Original Message-----

From: Muenks, Shawn [mailto:shawn.muenks@dnr.mo.gov]  
Sent: Monday, March 11, 2013 4:28 PM  
To: Warren, Victoria  
Cc: Gravatt, Dan (Gravatt.Dan@epamail.epa.gov); Drake, Tiffany  
Subject: FW: West Lake Landfill radiological placards

Victoria,

This email is in response to my request to Republic Services (Craig Almanza) that radiological Area 1 be assessed for appropriate access restriction and placarding during a coordination meeting on February 27 between Republic and the Solid Waste Management Program. I referred to conversations I had previously with David Vasbinder regarding placarding on the north boundary fence (see below). Attached is a DOE guidance document we used to determine the appropriate placard requirements. I did not specify any particular style of access control barrier, but that it should meet

the minimum regulatory requirements and serve to keep on-site workers from entering Area 1 given the increased activity at the Bridgeton Sanitary Landfill.

I am available to discuss this matter further at your convenience.

Shawn Muenks, P.E.  
Missouri Department of Natural Resources P.O. Box 176, Jefferson City, MO 65102-0176  
Ph: (573)751-3107  
email: shawn.muenks@dnr.mo.gov

-----Original Message-----

From: Muenks, Shawn  
Sent: Wednesday, March 21, 2012 2:04 PM  
To: 'Vasbinder, David'  
Subject: RE: West Lake Landfill radiological placards

Dave,

According to the NRC regulations [10 CFR 20.1902(a)], "The licensee shall post each radiation area with a conspicuous sign or signs bearing the radiation symbol and the words "CAUTION, RADIATION AREA.".

I also found a DOE guidance document that gives a distance of 40 feet between signs (see attached document, Section 4.1.3).

I would suggest measuring the existing signs and then give me a call to discuss.

Shawn Muenks, P.E.  
Missouri Department of Natural Resources P.O. Box 176, Jefferson City, MO 65102-0176  
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email: shawn.muenks@dnr.mo.gov

-----Original Message-----

From: Vasbinder, David [mailto:DVasbinder@republicservices.com]  
Sent: Wednesday, March 21, 2012 12:33 PM  
To: Muenks, Shawn  
Subject: Re: West Lake Landfill radiological placards

One more quick question...at what spacing do the regs say that I need to have the placards on our perimeter fence?  
Thanks Shawn.

Dave Vasbinder

Environmental Manager  
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